

Supplemental Preliminary Amendment S6302

**Amendments to the Abstract**

Please replace the subtitle and text of the Abstract as follows:

**Abstract of the Disclosure**

The ~~horizontal gas circulation device~~ gas separation apparatus comprises a flexible wall (9) which is maintained in a placed position on the ~~an~~ upper end of the an adsorbant material (4); the volume between the ~~membrane wall~~ (9) and the an upper dome (10) ~~of the enclosed area~~ (1) communicates (12) with one (7) of the inner and outer chambers (7; 5) on both sides of the adsorbant (4). The invention can be used to separate air components.